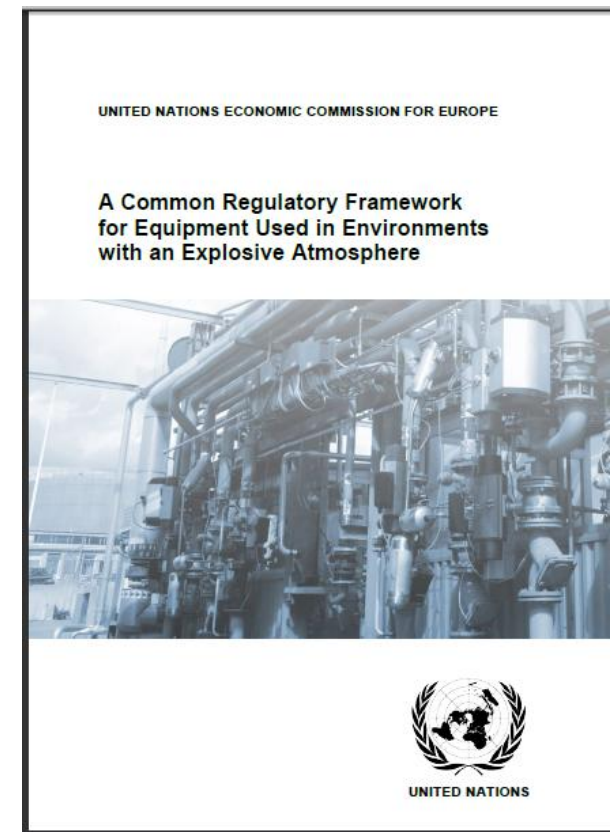




UNECE WP.6 Sector Initiative for Equipment in Explosive Environments

A global regulation approach

1. Status Report
2. 7th Meeting in Split
3. Coming Workshops





Sector Initiative on Equipment for Explosive Environments (SIEEE) *Status Report:*

- ✓ Kick off meeting 2007 in Geneva
Presentations of the various systems, **Questionnaire**
- ✓ 2008 Paris
Discussions of the answers of the Questionnaire
- ✓ 2008 Geneva
Preparation of the **Terms of Reference**
- ✓ 2009 Stockholm
Discussions about the approach of the CRO
- ✓ 2009 Melbourne
Preparation of the CRO (proposal)
- ✓ 2009 Geneva
Presentation of the **Common Regulatory Objectives**
- ✓ 2010 Berlin
Presentation of the **Workshop-Concept**
- ✓ 2011 Split
Presentation of various Regulation Systems and **Market Surveillance Aspects**



Trade

[Home](#)

[About WP6](#)

[Recommendations](#)

» [Areas of Work](#)

[Sessions](#)

» [Ongoing Initiatives](#)

[START Team](#)

[MARS Group](#)

» [Sectoral Initiatives](#)

[Telecom \(SIT\)](#)

[Earth-moving Machinery \(SIEMM\)](#)

[Equipment for Explosive Environments \(SIEEE\)](#)


[Pipeline Safety \(SIPS\)](#)



[Useful Links](#)

Equipment for Explosive Environments (SIEEE)












Background information:

Explosions on offshore facilities, vessels or in onshore facilities such as mines, refineries, chemical plants or mills entail high risks for individuals working such industries. Therefore, equipment used in explosive environments must have a high level of safety to protect workers against explosions the natural environment against possible consequences.

In 2006, an initiative to develop common regulations in this sector based on the model of [Recommendation L](#) . Specifically, the purpose of the initiative is to develop common regulatory objectives (CROs) covering the definition of area classification, verification of the equipment and its production, installation, inspection, maintenance, repair and the related conformity assessment procedures for products, services and competency of personnel. The overall goal of the Sectoral Initiative is to promote and enhance safety, while at the same time eliminating barriers against the free trade and use of the equipment.

The UNECE is partnering with [IECEx](#)  in developing this initiative. The UNECE also gratefully acknowledges support from the German government, and the [PTB](#) .

Important documents:

- [Terms of reference of the SIEEE](#) 
- Latest progress report [ENG](#)  and related [presentation](#) 
- Country survey [ENG](#)  [FRE](#)  [RUS](#) 
- [CROs](#)  (see also [press release...](#))
- [Comparative analysis of the Ex-CROs](#)  (comparing the UNECE CROs, the IECEx system, the ATEX directive and Russian regulatory requirements)
- Press releases
 - [December 2009](#) 
 - [March 2011](#) 
 - [September 2011](#) 

Meetings:

- [2012 IECEx International Conference in Dubai, United Arab Emirates, 20-21 March 2012](#) 
- [SIEEE meeting, 7 September 2011, Split, Croatia](#)
- [SIEEE meeting, 1 September 2010, Berlin, Germany](#)
- [SIEEE meeting, 2 September 2009, Melbourne, Australia](#)



United Nations

ECE/TRADE/C/WP.6/2011/9



Economic and Social Council

Distr.: General
19 August 2011

Original: English

Economic Commission for Europe

Committee on Trade

**Working Party on Regulatory Cooperation
and Standardization Policies**

Twenty-first session

Geneva, 31 October – 2 November 2011

Item 6 (b) of the provisional agenda

Regulatory cooperation: Sectoral projects

**Progress report on the sectoral initiative on Explosive
Environments Equipment**



7th Meeting of the Sectoral Initiative on Equipment for Explosive Environments Split

Presentations of Regulatory Frameworks

- Australia by Mr. Steve Bentham
- Brazil by Mr. Alfredo Lobo
- European Union
 - Mr. Mario Gabrielli Cossellu
 - **Mrs. Ursula Aich, ATEX-Adco**
- Russian Federation
 - Mr. Vitaly Grudtsyn
 - Mr. Serguey Myasnikov
- United States by David Chirdon

Market surveillance activities in Europe and Germany

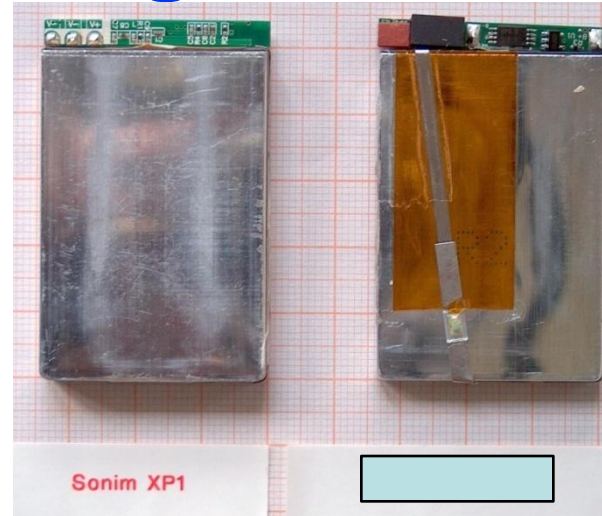
Dipl. Ing. Ursula Aich
Regierungspräsidium Darmstadt
ursula.aich@rpda.hessen.de



Mobile Phone-Safeguard Clause



Ex II 2 G Ex ib IIC T4



Front-battery pack







The workshop idea: Regulators Dialogue Group



Outputs:

- Comprehensive description of the methodology of the system
- Guidance documents for the various stakeholders (Regulators, Market Surveillance, Manufacturer, Operator, Inspection bodies)





UNECE

United Nations Economic Commission for Europe



سلطنة الإمارات العربية المتحدة
Emirates Authority For Standardization & Metrology
E S M A



UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

2012 IECEX INTERNATIONAL CONFERENCE



Intention of the Common Regulatory Objectives (CRO)

Manufacturer

Placing on the market

IEC 60079-0

ISO/IEC 80079-0

Market Surveillance

Repair

IEC 60079-19

Ex-Equipment

IEC 60079-17

Installation

IEC 60079-10

IEC 60079-14

Operator

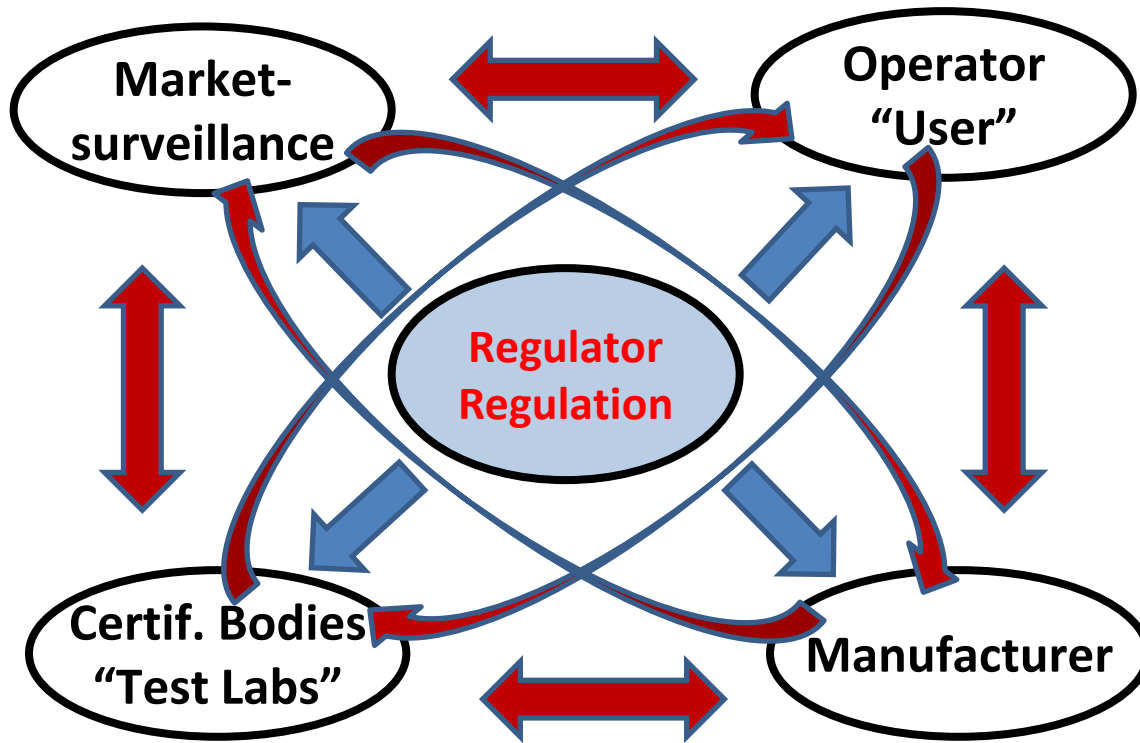
Inspection and Maintenance

Regulators Jurisdiction

Life cycle approach



Interaction/Relationship within the SIEEE-System



- 1. Definition/Jurisdiction
 - a) Market Surveillance
 - b) Certification Bodies
 - c) Manufacturer
 - d) Operator
- 2. Interaction
 - a. Cert. B. ↔ Manu.
 - b. Manu. ↔ Oper.
 - c. MS ↔ Oper.
 - d. MS ↔ Manu.
 - e. MS ↔ Insp. B.
 - f. Cert. ↔ Insp. B.



Annex II

Guidelines for Market Surveillance of Equipment for Explosive Environments (Hazardous Locations)

1. According to Recommendation L, market surveillance should be included as a flanking area of the Common Regulatory Objectives. The Guidelines are therefore proposed to complement to the CROs and – after further discussion and approval – would become an integral part of the CROs.
2. The Guidelines are based on the general approach of UNECE MARS Group and on the Procedural Guidelines for Market Surveillance within the scope of the 11th Ordinance on the Equipment and Product Safety Act (GPSGV) available at: http://ec.europa.eu/enterprise/sectors/mechanical/files/atex/guidelines_market_surveillance_en.pdf).
3. These guidelines are still at an early stage of elaboration and should be considered as the basis for further discussion and activities. Additional inputs are encouraged and appreciated.



Guidelines for the Ex-Market Surveillance

Contents:

1. Introduction:
2. Actions of the MS
 - 2.1 Pro Active
 - 2.2 Reactive
3. Cooperation and Exchange of Experience (with other stakeholder)
 - 3.1 Internet-Platform
 - 3.2 Arbitration Board
 - 3.3 Alert-System
4. Definition of Ex-Products and the boundary conditions
 - 4.1 Zone Concept (Essential Requirements)
 - 4.2 Types of Protection (Applicable Standards)
5. Explanation of the objectives of the surveillance activities (Compliance Criteria)
 - 5.1 Labeling and Conformity Declaration
 - 5.2 Manual
 - 5.3 Technical Inspection
6. List of References



46th CIML Meeting

2011



Prague, Czech Republic

UNECE WP.6 SIEEE A global regulation approach

1. Introduction
2. UNECE WP.6 SIEEE
3. IECEx-Scheme
4. Conclusion and Discussion

